

Hiroshi Sakaue

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131
papers

6,069
citations

42
h-index

76
g-index

145
ext. papers

6,586
ext. citations

5.6
avg, IF

4.89
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 131 | TGF-β-activated kinase-1 inhibitor LL-Z1640-2 reduces joint inflammation and bone destruction in mouse models of rheumatoid arthritis by inhibiting NLRP3 inflammasome, TACE, TNF-α and RANKL expression.. <i>Clinical and Translational Immunology</i> , 2022 , 11, e1371 | 6.8 | 0 |
| 130 | Saturated fatty acids intake is associated with muscle atrophy in rheumatoid arthritis. <i>JCSM Rapid Communications</i> , 2022 , 5, 86-101 | 2.6 | 1 |
| 129 | Development of a screening system for agents that modulate taste receptor expression with the CRISPR-Cas9 system in medaka.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 601, 65-72 ^{3,4} | | |
| 128 | Accuracy of an Artificial Intelligence-Based Model for Estimating Leftover Liquid Food in Hospitals: Validation Study.. <i>JMIR Formative Research</i> , 2022 , 6, e35991 | 2.5 | 1 |
| 127 | Taste receptor gene expression is associated with decreased eGFR in patients with diabetes.. <i>Journal of Medical Investigation</i> , 2022 , 69, 120-126 | 1.2 | |
| 126 | Chemotherapy-Induced Taste Impairment in Patients with Head and Neck Cancer: Molecular Mechanisms and Dietary Prevention. <i>Practica Otológica, Supplement</i> , 2022 , 158, 138-141 | | |
| 125 | Effects of daily 1,000-IU vitamin D-fortified milk intake on skeletal muscle mass, power, physical function and nutrition status in Japanese. <i>Journal of Medical Investigation</i> , 2021 , 68, 249-255 | 1.2 | |
| 124 | Leucine imparts cardioprotective effects by enhancing mTOR activity and mitochondrial fusion in a myocardial ischemia/reperfusion injury murine model. <i>Diabetology and Metabolic Syndrome</i> , 2021 , 13, 139 | 5.6 | 1 |
| 123 | Integrated stress response regulates GDF15 secretion from adipocytes, preferentially suppresses appetite for a high-fat diet and improves obesity. <i>iScience</i> , 2021 , 24, 103448 | 6.1 | 5 |
| 122 | Dietary supplementation with monosodium glutamate with dietary balance such as protein, salt and sugar intake with increasing T1R3 taste receptor gene expression in healthy females. <i>Journal of Medical Investigation</i> , 2021 , 68, 315-320 | 1.2 | 5 |
| 121 | Elevated Urinary Titin and its Associated Clinical Outcomes after Acute Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021 , 30, 105561 | 2.8 | 2 |
| 120 | Sudachi peel extract powder including the polymethoxylated flavone sudachitin improves visceral fat content in individuals at risk for developing diabetes. <i>Food Science and Nutrition</i> , 2021 , 9, 4076-4084 ^{3,2} | 3.2 | 0 |
| 119 | Urinary Titin N-Fragment as a Biomarker of Muscle Atrophy, Intensive Care Unit-Acquired Weakness, and Possible Application for Post-Intensive Care Syndrome. <i>Journal of Clinical Medicine</i> , 2021 , 10, | 5.1 | 3 |
| 118 | Assessment of catabolic state in infants with the use of urinary titin N-fragment. <i>Pediatric Research</i> , 2021 , | 3.2 | 1 |
| 117 | Dietary Supplementation with Monosodium Glutamate Suppresses Chemotherapy-Induced Downregulation of the T1R3 Taste Receptor Subunit in Head and Neck Cancer Patients. <i>Nutrients</i> , 2021 , 13, | 6.7 | 3 |
| 116 | Leucine induces cardioprotection in vitro by promoting mitochondrial function via mTOR and Opa-1 signaling. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 2979-2986 | 4.5 | 0 |
| 115 | Long-chain monounsaturated fatty acids improve endothelial function with altering microbial flora. <i>Translational Research</i> , 2021 , 237, 16-30 | 11 | 3 |

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| 114 | The PDK1-FoxO1 signaling in adipocytes controls systemic insulin sensitivity through the 5-lipoxygenase-leukotriene B axis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11674-11684 | 11.5 | 4 |
| 113 | Gene-expression profile reveals the genetic and acquired phenotypes of hyperactive mutant SPORTS rat. <i>Journal of Medical Investigation</i> , 2020 , 67, 51-61 | 1.2 | 2 |
| 112 | Differential regulation of Actn2 and Actn3 expression during unfolded protein response in C2C12 myotubes. <i>Journal of Muscle Research and Cell Motility</i> , 2020 , 41, 199-209 | 3.5 | 1 |
| 111 | Assessment of insulin resistance in the skeletal muscle of mice using positron emission tomography/computed tomography imaging. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 528, 499-505 | 3.4 | 1 |
| 110 | DNA methylation status influences insulin-induced glucose transport in 3T3-L1 adipocytes by mediating p53 expression. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 525, 39-39 | 3.4 | |
| 109 | Interferon regulatory factor 7 mediates obesity-associated MCP-1 transcription. <i>PLoS ONE</i> , 2020 , 15, e0233390 | 3.7 | 4 |
| 108 | Assessment of postoperative nutritional status and physical function between open surgical aortic valve replacement and transcatheter aortic valve implantation in elderly patients. <i>Journal of Medical Investigation</i> , 2020 , 67, 139-144 | 1.2 | 0 |
| 107 | Establishment of screening for agents for improving dysgeusia using medaka. <i>FASEB Journal</i> , 2020 , 34, 1-1 | 0.9 | |
| 106 | Branched-chain amino acids-induced cardiac protection against ischemia/reperfusion injury. <i>Life Sciences</i> , 2020 , 245, 117368 | 6.8 | 10 |
| 105 | All-trans retinoic acid reduces the transcriptional regulation of intestinal sodium-dependent phosphate co-transporter gene (Npt2b). <i>Biochemical Journal</i> , 2020 , 477, 817-831 | 3.8 | 3 |
| 104 | UCP1-dependent and UCP1-independent metabolic changes induced by acute cold exposure in brown adipose tissue of mice. <i>Metabolism: Clinical and Experimental</i> , 2020 , 113, 154396 | 12.7 | 10 |
| 103 | Effect of Electrical Muscle Stimulation on Upper and Lower Limb Muscles in Critically Ill Patients: A Two-Center Randomized Controlled Trial. <i>Critical Care Medicine</i> , 2020 , 48, e997-e1003 | 1.4 | 9 |
| 102 | Urinary Titin Is a Novel Biomarker for Muscle Atrophy in Nonsurgical Critically Ill Patients: A Two-Center, Prospective Observational Study. <i>Critical Care Medicine</i> , 2020 , 48, 1327-1333 | 1.4 | 11 |
| 101 | Phosphatemic Index Is a Novel Evaluation Tool for Dietary Phosphorus Load: A Whole-Foods Approach. <i>Journal of Renal Nutrition</i> , 2020 , 30, 493-502 | 3 | 2 |
| 100 | Role of orexin in exercise-induced leptin sensitivity in the mediobasal hypothalamus of mice. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 514, 166-172 | 3.4 | 3 |
| 99 | Effect of olive oil consumption on aging in a senescence-accelerated mice-prone 8 (SAMP8) model. <i>Journal of Medical Investigation</i> , 2019 , 66, 241-247 | 1.2 | 2 |
| 98 | Monitoring of muscle mass in critically ill patients: comparison of ultrasound and two bioelectrical impedance analysis devices. <i>Journal of Intensive Care</i> , 2019 , 7, 61 | 7 | 23 |
| 97 | Readthrough of ACTN3 577X nonsense mutation produces full-length β actinin-3 protein. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 502, 422-428 | 3.4 | 5 |

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|----|--|------|-----|
| 96 | Effect of Janus kinase inhibition by tofacitinib on body composition and glucose metabolism. <i>Journal of Medical Investigation</i> , 2018 , 65, 166-170 | 1.2 | 6 |
| 95 | Endoplasmic Reticulum Stress in Mice Increases Hepatic Expression of Genes Carrying a Premature Termination Codon via a Nutritional Status-Independent GRP78-Dependent Mechanism. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 3810-3824 | 4.7 | 3 |
| 94 | Ligand-induced rapid skeletal muscle atrophy in HSA-Fv2E-PERK transgenic mice. <i>PLoS ONE</i> , 2017 , 12, e0179955 | 3.7 | 9 |
| 93 | Adipocyte Death and Chronic Inflammation in Obesity. <i>Journal of Medical Investigation</i> , 2017 , 64, 193-196. | 6.2 | 52 |
| 92 | The Role of Heparin Cofactor II in the Regulation of Insulin Sensitivity and Maintenance of Glucose Homeostasis in Humans and Mice. <i>Journal of Atherosclerosis and Thrombosis</i> , 2017 , 24, 1215-1230 | 4 | 5 |
| 91 | A novel lipoprotein (a) lowering drug, D-47, decreases neointima thickening after vascular injury. <i>Journal of Medical Investigation</i> , 2017 , 64, 64-67 | 1.2 | 2 |
| 90 | Cell-cycle arrest in mature adipocytes impairs BAT development but not WAT browning, and reduces adaptive thermogenesis in mice. <i>Scientific Reports</i> , 2017 , 7, 6648 | 4.9 | 16 |
| 89 | Intracerebroventricular injection of ghrelin decreases wheel running activity in rats. <i>Peptides</i> , 2017 , 87, 12-19 | 3.8 | 2 |
| 88 | C-terminal region of GADD34 regulates eIF2 α dephosphorylation and cell proliferation in CHO-K1 cells. <i>Cell Stress and Chaperones</i> , 2016 , 21, 29-40 | 4 | 1 |
| 87 | Depot- and gender-specific expression of NLRP3 inflammasome and toll-like receptors in adipose tissue of cancer patients. <i>BioFactors</i> , 2016 , 42, 397-406 | 6.1 | 8 |
| 86 | Obesity-induced DNA released from adipocytes stimulates chronic adipose tissue inflammation and insulin resistance. <i>Science Advances</i> , 2016 , 2, e1501332 | 14.3 | 136 |
| 85 | DNA Methylation Suppresses Leptin Gene in 3T3-L1 Adipocytes. <i>PLoS ONE</i> , 2016 , 11, e0160532 | 3.7 | 13 |
| 84 | Long-chain monounsaturated fatty acid-rich fish oil attenuates the development of atherosclerosis in mouse models. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 2208-2218 | 5.9 | 15 |
| 83 | Effects of dietary phosphate on glucose and lipid metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E526-38 | 6 | 18 |
| 82 | Long-term dietary supplementation with saury oil attenuates metabolic abnormalities in mice fed a high-fat diet: combined beneficial effect of omega-3 fatty acids and long-chain monounsaturated fatty acids. <i>Lipids in Health and Disease</i> , 2015 , 14, 155 | 4.4 | 10 |
| 81 | Intracerebroventricular injection of adiponectin regulates locomotor activity in rats. <i>Journal of Medical Investigation</i> , 2015 , 62, 199-203 | 1.2 | 10 |
| 80 | Excessive dietary phosphorus intake impairs endothelial function in young healthy men: a time- and dose-dependent study. <i>Journal of Medical Investigation</i> , 2015 , 62, 167-72 | 1.2 | 11 |
| 79 | Albumin-normalized serum zinc: a clinically useful parameter for detecting taste impairment in patients undergoing dialysis. <i>Nutrition Research</i> , 2014 , 34, 11-6 | 4 | 9 |

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|----|--|------|----|
| 78 | Enhancement of endothelial function inhibits left atrial thrombi development in an animal model of spontaneous left atrial thrombosis. <i>Circulation Journal</i> , 2014 , 78, 1980-8 | 2.9 | 11 |
| 77 | Deletion of hypoxia-inducible factor-1 in adipocytes enhances glucagon-like peptide-1 secretion and reduces adipose tissue inflammation. <i>PLoS ONE</i> , 2014 , 9, e93856 | 3.7 | 39 |
| 76 | Sudachitin, a polymethoxylated flavone, improves glucose and lipid metabolism by increasing mitochondrial biogenesis in skeletal muscle. <i>Nutrition and Metabolism</i> , 2014 , 11, 32 | 4.6 | 46 |
| 75 | Exendin-4, a glucagon-like peptide-1 receptor agonist, attenuates neointimal hyperplasia after vascular injury. <i>European Journal of Pharmacology</i> , 2013 , 699, 106-11 | 5.3 | 35 |
| 74 | Cysteine string protein 1 (CSP1) modulates insulin sensitivity by attenuating glucose transporter 4 (GLUT4) vesicle docking with the plasma membrane. <i>Journal of Medical Investigation</i> , 2013 , 60, 197-204 | 1.2 | 5 |
| 73 | Proliferative and antiapoptotic signaling stimulated by nuclear-localized PDK1 results in oncogenesis. <i>Science Signaling</i> , 2012 , 5, ra80 | 8.8 | 17 |
| 72 | Membrane topology of murine glycerol-3-phosphate acyltransferase 2. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 418, 506-11 | 3.4 | 8 |
| 71 | Identification and functional characterization of human glycerol-3-phosphate acyltransferase 1 gene promoters. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 423, 128-33 | 3.4 | 9 |
| 70 | Telmisartan ameliorates insulin sensitivity by activating the AMPK/SIRT1 pathway in skeletal muscle of obese db/db mice. <i>Cardiovascular Diabetology</i> , 2012 , 11, 139 | 8.7 | 50 |
| 69 | Activation of AMPK-Sirt1 pathway by telmisartan in white adipose tissue: A possible link to anti-metabolic effects. <i>European Journal of Pharmacology</i> , 2012 , 692, 84-90 | 5.3 | 18 |
| 68 | Ablation of 3-phosphoinositide-dependent protein kinase 1 (PDK1) in vascular endothelial cells enhances insulin sensitivity by reducing visceral fat and suppressing angiogenesis. <i>Molecular Endocrinology</i> , 2012 , 26, 95-109 | | 9 |
| 67 | Vimentin binds IRAP and is involved in GLUT4 vesicle trafficking. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 405, 96-101 | 3.4 | 17 |
| 66 | Severe catabolic state after an overnight fast in patients with chronic renal failure. <i>Nutrition</i> , 2011 , 27, 329-32 | 4.8 | 5 |
| 65 | Overexpression of KLF15 transcription factor in adipocytes of mice results in down-regulation of SCD1 protein expression in adipocytes and consequent enhancement of glucose-induced insulin secretion. <i>Journal of Biological Chemistry</i> , 2011 , 286, 37458-69 | 5.4 | 26 |
| 64 | Dexamethasone treatment induces the reprogramming of pancreatic acinar cells to hepatocytes and ductal cells. <i>PLoS ONE</i> , 2010 , 5, e13650 | 3.7 | 24 |
| 63 | Role of KLF15 in regulation of hepatic gluconeogenesis and metformin action. <i>Diabetes</i> , 2010 , 59, 1608-15 | 5.9 | 75 |
| 62 | Adipose tissue-specific regulation of angiotensinogen in obese humans and mice: impact of nutritional status and adipocyte hypertrophy. <i>American Journal of Hypertension</i> , 2010 , 23, 425-31 | 2.3 | 80 |
| 61 | Adipose tissue-specific dysregulation of angiotensinogen by oxidative stress in obesity. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59, 1241-51 | 12.7 | 25 |

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|----|---|------|-----|
| 60 | High density lipoprotein inhibits the activation of sterol regulatory element-binding protein-1 in cultured cells. <i>FEBS Letters</i> , 2010 , 584, 1217-22 | 3.8 | 1 |
| 59 | The Krüppel-like factor KLF15 inhibits transcription of the adrenomedullin gene in adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 379, 98-103 | 3.4 | 12 |
| 58 | Skp2 promotes adipocyte differentiation via a p27Kip1-independent mechanism in primary mouse embryonic fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 379, 249-54 | 3.4 | 3 |
| 57 | Exendin-4, a GLP-1 receptor agonist, directly induces adiponectin expression through protein kinase A pathway and prevents inflammatory adipokine expression. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 613-8 | 3.4 | 106 |
| 56 | Role of Krüppel-like Factor 15 in Adipocytes 2009 , 151-157 | | |
| 55 | Dok1 mediates high-fat diet-induced adipocyte hypertrophy and obesity through modulation of PPAR-gamma phosphorylation. <i>Nature Medicine</i> , 2008 , 14, 188-93 | 50.5 | 87 |
| 54 | PDK1 regulates cell proliferation and cell cycle progression through control of cyclin D1 and p27Kip1 expression. <i>Journal of Biological Chemistry</i> , 2008 , 283, 17702-11 | 5.4 | 27 |
| 53 | Restoration of glucokinase expression in the liver normalizes postprandial glucose disposal in mice with hepatic deficiency of PDK1. <i>Diabetes</i> , 2007 , 56, 1000-9 | 0.9 | 32 |
| 52 | Skp2 controls adipocyte proliferation during the development of obesity. <i>Journal of Biological Chemistry</i> , 2007 , 282, 2038-46 | 5.4 | 68 |
| 51 | Epitaxial Growth of Cu Nanodot Arrays Using an AAO Template on a Si Substrate. <i>Electrochemical and Solid-State Letters</i> , 2006 , 9, J13 | | 21 |
| 50 | Fused protein of deltaPKC activation loop and PDK1-interacting fragment (deltaAL-PIF) functions as a pseudosubstrate and an inhibitory molecule for PDK1 when expressed in cells. <i>Genes To Cells</i> , 2006 , 11, 1051-70 | 2.3 | 5 |
| 49 | Role of Krüppel-like factor 15 in PEPCK gene expression in the liver. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 327, 920-6 | 3.4 | 53 |
| 48 | Deletion of Cdkn1b ameliorates hyperglycemia by maintaining compensatory hyperinsulinemia in diabetic mice. <i>Nature Medicine</i> , 2005 , 11, 175-82 | 50.5 | 174 |
| 47 | The molecular scaffold kinase suppressor of Ras 1 (KSR1) regulates adipogenesis. <i>Molecular and Cellular Biology</i> , 2005 , 25, 7592-604 | 4.8 | 62 |
| 46 | Role of Krüppel-like factor 15 (KLF15) in transcriptional regulation of adipogenesis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12867-75 | 5.4 | 259 |
| 45 | Role of MAPK phosphatase-1 (MKP-1) in adipocyte differentiation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 39951-7 | 5.4 | 62 |
| 44 | Role of STAT-3 in regulation of hepatic gluconeogenic genes and carbohydrate metabolism in vivo. <i>Nature Medicine</i> , 2004 , 10, 168-74 | 50.5 | 286 |
| 43 | A Kruppel-like factor KLF15 contributes fasting-induced transcriptional activation of mitochondrial acetyl-CoA synthetase gene AceCS2. <i>Journal of Biological Chemistry</i> , 2004 , 279, 16954-62 | 5.4 | 70 |

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|----|--|------|-----|
| 42 | Effects of the surface pressure on the formation of Langmuir-Blodgett monolayer of nanoparticles. <i>Langmuir</i> , 2004 , 20, 2274-6 | 4 | 60 |
| 41 | Self-Organization of a Porous Alumina Nanohole Array Using a Sulfuric/Oxalic Acid Mixture as Electrolyte. <i>Electrochemical and Solid-State Letters</i> , 2004 , 7, E15 | | 80 |
| 40 | Preliminary results of EB stepper in the application of 65-nm process 2004 , 5374, 478 | | 2 |
| 39 | Modulation of insulin-stimulated degradation of human insulin receptor substrate-1 by Serine 312 phosphorylation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 8199-211 | 5.4 | 155 |
| 38 | Computer-Aided Chemistry Estimation Method of Electronic-Polarization Dielectric Constants for the Molecular Design of Low-kMaterials. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 157-161 | 1.4 | 8 |
| 37 | Protein kinase B/Akt is essential for the insulin- but not progesterone-stimulated resumption of meiosis in <i>Xenopus</i> oocytes. <i>Biochemical Journal</i> , 2003 , 369, 227-38 | 3.8 | 38 |
| 36 | Requirement for 3-phosphoinositide-dependent kinase-1 (PDK-1) in insulin-induced glucose uptake in immortalized brown adipocytes. <i>Journal of Biological Chemistry</i> , 2003 , 278, 38870-4 | 5.4 | 17 |
| 35 | Optical spectroscopic studies of the dispersibility of gold nanoparticle solutions. <i>Journal of Applied Physics</i> , 2002 , 92, 7486-7490 | 2.5 | 33 |
| 34 | Formation of Al Dot Hexagonal Array on Si Using Anodic Oxidation and Selective Etching. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, L340-L343 | 1.4 | 12 |
| 33 | Role of the insulin receptor substrate 1 and phosphatidylinositol 3-kinase signaling pathway in insulin-induced expression of sterol regulatory element binding protein 1c and glucokinase genes in rat hepatocytes. <i>Diabetes</i> , 2002 , 51, 1672-80 | 0.9 | 113 |
| 32 | Requirement of fibroblast growth factor 10 in development of white adipose tissue. <i>Genes and Development</i> , 2002 , 16, 908-12 | 12.6 | 100 |
| 31 | Hyperinsulinemia, glucose intolerance, and dyslipidemia induced by acute inhibition of phosphoinositide 3-kinase signaling in the liver. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1483-1491 | 15.9 | 105 |
| 30 | Hyperinsulinemia, glucose intolerance, and dyslipidemia induced by acute inhibition of phosphoinositide 3-kinase signaling in the liver. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1483-91 | 15.9 | 47 |
| 29 | Study of a Dielectric Constant Due to Electronic Polarization Using a Semiempirical Molecular Orbital Method I. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 4829-4836 | 1.4 | 16 |
| 28 | Well-size-controlled Colloidal Gold Nanoparticles Dispersed in Organic Solvents. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 346-349 | 1.4 | 51 |
| 27 | Scanning Electron Microscope Observation of Heterogeneous Three-Dimensional Nanoparticle Arrays Using DNA. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L521-L523 | 1.4 | 5 |
| 26 | Self-Organized Gold Nanodots Array on a Silicon Substrate and Its Mechanical Stability. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, L1488-L1490 | 1.4 | 7 |
| 25 | Control of Interdot Space and Dot Size in a Two-Dimensional Gold Nanodot Array. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, L473-L476 | 1.4 | 9 |

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| 24 | Up-regulation of Akt3 in estrogen receptor-deficient breast cancers and androgen-independent prostate cancer lines. <i>Journal of Biological Chemistry</i> , 1999 , 274, 21528-32 | 5.4 | 354 |
| 23 | Two-dimensional nanowire array formation on Si substrate using self-organized nanoholes of anodically oxidized aluminum. <i>Solid-State Electronics</i> , 1999 , 43, 1143-1146 | 1.7 | 53 |
| 22 | Identification of a human Akt3 (protein kinase B gamma) which contains the regulatory serine phosphorylation site. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 257, 906-10 | 3.4 | 147 |
| 21 | Self-Organization of a Two-Dimensional Array of Gold Nanodots Encapsulated by Alkanethiol. <i>Japanese Journal of Applied Physics</i> , 1998 , 37, 7198-7201 | 1.4 | 26 |
| 20 | Posttranscriptional control of adipocyte differentiation through activation of phosphoinositide 3-kinase. <i>Journal of Biological Chemistry</i> , 1998 , 273, 28945-52 | 5.4 | 125 |
| 19 | Requirement of atypical protein kinase clambda for insulin stimulation of glucose uptake but not for Akt activation in 3T3-L1 adipocytes. <i>Molecular and Cellular Biology</i> , 1998 , 18, 6971-82 | 4.8 | 332 |
| 18 | Requirement for activation of the serine-threonine kinase Akt (protein kinase B) in insulin stimulation of protein synthesis but not of glucose transport. <i>Molecular and Cellular Biology</i> , 1998 , 18, 3708-17 | 4.8 | 296 |
| 17 | Scanning Tunneling Microscopy Observation on the Atomic Structures of Step Edges and Etch Pits on a NH ₄ F-Treated Si(111) Surface. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, 1420-1423 | 1.4 | 4 |
| 16 | Highly Selective SiO ₂ Etching Using CF ₄ /C ₂ H ₄ . <i>Japanese Journal of Applied Physics</i> , 1997 , 36, 2477-2481 | 1.4 | 6 |
| 15 | Phosphoinositide 3-kinase is required for insulin-induced but not for growth hormone- or hyperosmolarity-induced glucose uptake in 3T3-L1 adipocytes. <i>Molecular Endocrinology</i> , 1997 , 11, 1552-62 | | 114 |
| 14 | Interaction of Nck-associated protein 1 with activated GTP-binding protein Rac. <i>Biochemical Journal</i> , 1997 , 322 (Pt 3), 873-8 | 3.8 | 47 |
| 13 | Simulation of Trabecular Surface Remodeling based on Local Stress Nonuniformity.. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 1997 , 40, 782-792 | | 46 |
| 12 | Simulation of Trabecular Surface Remodeling Based on Local Stress Nonuniformity.. <i>Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C</i> , 1997 , 63, 777-784 | | 2 |
| 11 | Activation of translation initiation factor eIF2B by insulin requires phosphatidyl inositol 3-kinase. <i>FEBS Letters</i> , 1997 , 410, 418-22 | 3.8 | 89 |
| 10 | Ordered Two-Dimensional Nanowire Array Formation Using Self-Organized Nanoholes of Anodically Oxidized Aluminum. <i>Japanese Journal of Applied Physics</i> , 1997 , 36, 7791-7795 | 1.4 | 119 |
| 9 | Study on Adsorption Behavior of Organic Contaminations on Silicon Surface by Gas Chromatography/Mass Spectrometry. <i>Japanese Journal of Applied Physics</i> , 1996 , 35, L818-L821 | 1.4 | 32 |
| 8 | A role for phosphoinositide 3-kinase in bacterial invasion. <i>Science</i> , 1996 , 274, 780-2 | 33.3 | 301 |
| 7 | Phosphatidylinositol 3-kinase-independent signal transduction pathway for platelet-derived growth factor-induced chemotaxis. <i>Journal of Biological Chemistry</i> , 1996 , 271, 29342-6 | 5.4 | 58 |

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|---|--|------|-----|
| 6 | Ras-independent and wortmannin-sensitive activation of glycogen synthase by insulin in Chinese hamster ovary cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 11304-9 | 5-4 | 65 |
| 5 | Normal activation of p70 S6 kinase by insulin in cells overexpressing dominant negative 85kD subunit of phosphoinositide 3-kinase. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 208, 735-41 | 3-4 | 47 |
| 4 | Requirement for phosphoinositide 3-kinase in insulin-stimulated GLUT4 translocation in 3T3-L1 adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 209, 343-8 | 3-4 | 144 |
| 3 | 1-Phosphatidylinositol 3-kinase activity is required for insulin-stimulated glucose transport but not for RAS activation in CHO cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 7415-9 | 11.5 | 416 |
| 2 | Digital etching study and fabrication of fine Si lines and dots. <i>Thin Solid Films</i> , 1993 , 225, 124-129 | 2.2 | 28 |
| 1 | Low energy silicon etching technologies. <i>Microelectronic Engineering</i> , 1991 , 13, 417-424 | 2.5 | 3 |